

## AUDIO TRANSFORMERS

BRIDGING  
CHOPPER  
CIRCUIT DEVELOPMENT  
DRIVER  
HIGH TEMPERATURE  
HYBRID  
INDUCTOR  
INPUT  
INTERSTAGE  
ISOLATION  
LOW CAPACITY  
MATCHING  
MIXING  
MILITARY STANDARD  
MODULATION  
MOLDED  
OUTPUT  
PEAKING  
PLATE TO LINE  
PRINTED CIRCUIT  
STEPPED DOWN  
TRANSISTOR  
ULTRASONIC

Range of audio units  
are from .01 cycle to  
400 MC . . . micro-  
watts to 50 KW.

## POWER TRANSFORMERS

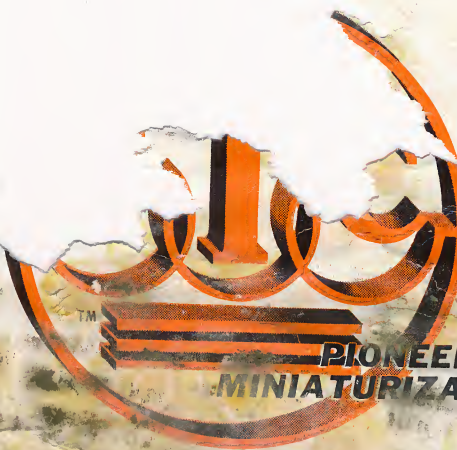
ADJUSTABLE VOLTAGE  
BIAS  
BOOSTER  
CURRENT LIMITING  
FILAMENT  
FOUR HUNDRED  
CYCLE  
HIGH CURRENT  
HIGH TEMPERATURE  
ISOLATION  
LOW CAPACITY  
MILITARY STANDARD  
MINIATURE  
MOLDED  
PHOTOFLASH  
PLATE  
PRECISION REFERENCE  
PRINTED CIRCUIT  
REFERENCE  
SIGNAL  
THREE PHASE  
TRANSISTOR  
TRANSISTOR INVERTER  
TRANSISTOR SUPPLY

Range covered is from  
milliwatts to 100 KVA.

## ELECTRIC WAVE FILTERS

AIRCRAFT  
BAND PASS  
DISCRIMINATORS  
HIGH FREQUENCY  
HIGH PASS  
INTERSTAGE  
115 V. LINE  
LINEAR PHASE  
LOW FREQUENCY  
LOW PASS  
LUMPED CONSTANT  
DELAY LINES  
TELEGRAPH  
(RECEIVING)  
TELEGRAPH  
(TRANSMITTING)  
TELEMETERING

Range covered is from  
DC to 400 MC.



**PIONEERS IN  
MINIATURIZATION**

## HIGH Q COILS

INDUCTANCE DECADES  
LAMINATED  
TOROIDS  
TAPPED TOROIDS  
VARIABLE  
TAPPED VARIABLE  
VERNIER VARIABLE

Range covered is from  
DC to 30 MC.

## MAGNETIC AMPLIFIERS

HIGH GAIN  
SATURABLE REACTORS  
SERVO MOTOR  
MAGNETIC  
MODULATORS

Magamp range is from  
microwatts to 100 KVA.

## PULSE TRANSFORMERS

CHARGING  
HIGH TEMPERATURE  
LOW CAPACITY  
MOLDED  
OUTPUT  
PHOTOFLASH  
TRANSISTOR

Range is from micro-  
watts to 10 megawatts.

The **UNITED TRANSFORMER CORPORATION** with over thirty years of pioneering in the areas of research, design and engineering assures you quality and reliability unexcelled in the industry. UTC carries the most complete line of stock items ready for immediate delivery. This, coupled with UTC's broad capabilities in special (custom built) items, covers virtually every transformer and filter requirement for both military and commercial use.

**1. ENGINEERING**—The nation's top engineering talent backed by over thirty years of knowledge and experience create UTC designs. All designs are fully laboratory proven before being released for production.

**2. MATERIALS AND LIFE TESTING**—The UTC Material and Chemical Laboratories fully analyze and evaluate the materials employed in UTC products. Special processes are introduced as required by material characteristics. Finished units, as well as insulation systems, are constantly undergoing life tests to provide guides for present and future designs and manufacturing processes to produce greatest reliability. The purpose of these tests is to extend the life of each design to the absolute maximum—usually far beyond the present state of the art.

**3. QUALITY CONTROL**—The Quality Control Division at

UTC coordinates all statistics relating to materials and processes. All incoming materials are subjected to exhaustive testing, with individual lots of materials separately isolated and linked to their test reports in order to afford adequate material control throughout production. Continual surveillance is conducted to assure conformance of products to all applicable requirements. If discrepancies are found or anticipated, corrective action is immediately instituted. Parts made within the UTC plant, such as drawn cans, stamped laminations, etc., are inspected and treated as though they were provided by an outside vendor.

**4. PRODUCT TESTING**—Each individual transformer or filter produced by UTC is tested for its performance three times during successive stages of manufacture. In addition to this, a substantial sampling of each day's production is put through extensive humidity, vibration, thermal shock, and overload testing to assure exact performance and reliability.

**5. THE END RESULT**—UTC's level of quality and reliability is unmatched in the industry . . . twenty times better than the industry average, based on available information.

For every phase of the art of iron core inductance devices, UTC is the first source for the highest reliability, the most varied types and the most sophisticated and advanced designs in the industry.

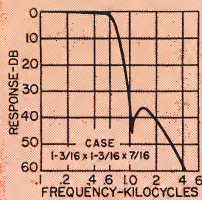
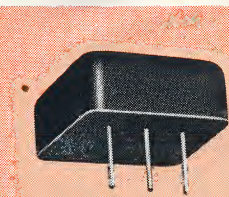
Write for catalog of over  
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STOCK ITEMS  
IMMEDIATELY AVAILABLE  
from your local distributor.**



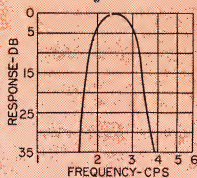
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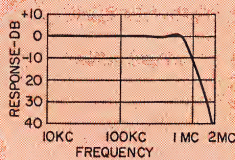
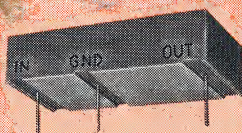
PACIFIC MFG. DIVISION: 3630 EASTHAM DRIVE, CULVER CITY, CALIF.  
EXPORT DIVISION: 13 EAST 40th STREET, NEW YORK 16, N. Y. CABLE: "ARLAB"



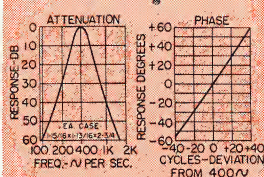
560 ~ Telemetry low pass filter. Available from 400 ~ to 70 KC.  $\pm 7.5\%$  bandwidth flat to 1 db. Attenuation greater than 35 db beyond the 2nd harmonic of  $\pm 7.5\%$  frequency. Impedance 47K ohms. MIL-F-18327B. Wt. 0.8 oz.



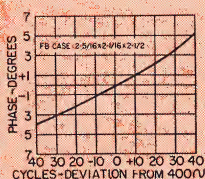
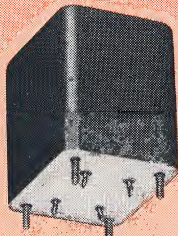
Low frequency band pass filter. Designed for 2.5 cps center frequency. At 2 to 3 cps within 3 db. At 1.5 cps and lower, and 4 cps and higher, greater than 30 db. Source and Load 10K ohms. Size: 4 x 4-11/16 x 6". MA MIL case, MIL-F-18327B.



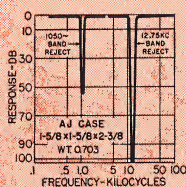
High frequency low pass filter. Zero to 700 KC within 1 db. 1.95 mc to 10 mc 40 db minimum. Source and Load 1000 ohms. Molded flat construction for printed circuit applications. Size: 1 x 2 x 1/2". Wt: 1 oz. MIL-F-18327B.



Band pass 400 cycle Gaussian filter. Linear phase response in pass band. Attenuation 380 cps to 420 cps within 0.5 db. 2nd harmonic down 25 db. 3rd harmonic down 45 db. Source and load 5K ohms. MIL-F-18327B Wt., 0.9 lbs.



Minimum phase shift 400 cycle band pass filter. Within  $\pm 1.5$  db 370 to 430 cycles, greater than 45 db beyond 1100 cycles. 1K ohms to 100K ohms. MIL-F-18327B; 1 lb.



Band reject filters (two shown). The 1050 filter has 50 db attenuation and is only 3 db at 950 and 1150 cycles. The 12.75 KC filter has more than 100 db attenuation and is only 3 db at 10.8 and 15 KC. Source and load 600 ohms, both are MIL-F-18327B.

## TO YOUR SPECIFICATIONS

Over thirty years of experience in the design and production of special filters have resulted in UTC being a first source for difficult units. Present designs both military and commercial incorporate a wide variety of core structures, winding methods, and capacitors to provide maximum performance, stability, and reliability. Fully experienced, top engineering talent backed by complete environmental testing and life testing facilities assure the highest standard in the industry. Full analysis and evaluation of materials are conducted in UTC's Material and Chemical Laboratories. Rigid quality control measures coordinated with exhaustive statistical findings and latest production procedures results in the industry's highest degree of reliability. The units illustrated show a few of the thousands of specials produced by UTC, to customers' requirements, and only slightly indicate the possibilities in present special filter design. Range of frequencies on special units is from .1 cycles to 400 MC.

**MILITARY AND COMMERCIAL TYPES FOR EVERY PHASE OF THE ELECTRONICS ART**

**POWER TRANSFORMERS • AUDIO TRANSFORMERS • INDUCTORS • PULSE TRANSFORMERS • ELECTRIC WAVE FILTERS • LUMPED CONSTANT DELAY LINES • HIGH Q COILS • MAGNETIC AMPLIFIERS • SATURABLE REACTORS • REFERENCE UNITS**

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1,200 UTC HIGH RELIABILITY  
STOCK ITEMS  
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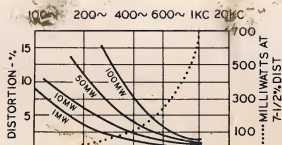
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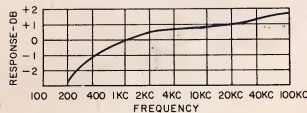
spect. um

SERIES

# ULTRAMINIATURE TRANSISTOR TRANSFORMERS & INDUCTORS



TYPICAL DI-T PERFORMANCE  
SOURCE: RATED PRI. IMP. AND D.C.  
LOAD: RATED SEC. IMP.



- DUMET LEADS  
(gold plated, weldable and solderable)
- STRAIGHT PIN TERMINALS  
(printed circuit application)
- HIGHEST PERFORMANCE  
for size in the industry
- METAL ENCASED  
(Grade 4, Ruggedized)

ALL STOCK UNITS MIL TYPE TF4RX  
Class "S" Available on Special Order

High Power Rating ..... up to 100 times greater.  
Excellent Response ..... twice as good at low end.  
Low Distortion ..... reduced 80%.  
High Efficiency ..... up to 30% better . . . compare DCR.  
Moisture Proof ..... hermetically sealed to MIL-T-27B.  
Ultraminiature Size ..... 5/16 Dia. x 3/8" H, 1/15 Oz.

The unique structural design of the DI-T200 series transformers and inductors provides the excellent electrical characteristics, high reliability and wide application possibilities inherent in the UTC DO-T family of miniaturized units. The DI-T200 series units employ the same high quality design found in UTC's DO-T, DI-T, and PIP lines. This unique transformer construction concept affords unprecedented power handling capabilities coupled with extremely small size. Further, the high degree of reliability has been dynamically proven in the field. These characteristics are basic in the structure, which is ruggedized, hermetically sealed, employing a completely rigid bobbin, eliminating stress and wire movement. The turns are circular in shape rather than square, eliminating turn corner stress, and effecting uniform wire lay. The coil wire and external lead are rigidly anchored terminal board fashion, employing no tapes and brought out through strain relief. The curves illustrated indicate the superior performance of these units compared to similar size units now on the market.

The leads are uninsulated 1" long, .017 Dumet wire, spaced on a .1" radius circle to conform to terminal spacing techniques of the "TO-5" case semiconductors and micrologic elements.

IMMEDIATE DELIVERY  
FROM STOCK

Type No.	Pri. Imp.	DCma <sup>†</sup> in Pri.	Sec. Imp.	Pri. Res.	Mw Level	Application
DI-T225	80 CT 100 CT	12 10	32 split 40 split	10	500	Interstage
DI-T230	300 CT	7	600 CT	20	500	Output or line to line
DI-T235	400 CT 500 CT	8 6	40 split 50 Split	50	500	Interstage
DI-T240	400 CT 500 CT	8 6	400 split 500 split	50	500	Interstage or output (Ratio 2:1:1)
DI-T245	500 CT 600 CT	3 3	50 CT 60 CT	65	500	Output or matching
DI-T250	500 CT	5.5	600 CT	35	500	Output or line to line or mixing
DI-T255	1,000 CT 1,200 CT	3 3	50 CT 60 CT	110	500	Output or matching
DI-T260	1,500 CT	3	600 CT	90	500	Output to line
DI-T265	2,000 CT 2,500 CT	3 3	8,000 split 10,000 split	180	100	Isol. or interstage (Ratio 1:1:1)
DI-T270	10,000 CT 12,000 CT	1 1	500 CT 600 CT	870	100	Output or driver
DI-T273	10,000 CT 12,500 CT	1 1	1,200 CT 1,500 CT	870	100	Output or driver
DI-T276	10,000 CT 12,000 CT	1 1	2,000 CT 2,400 CT	870	100	Interstage or driver
DI-T278	10,000 CT 12,500 CT	1 1	2,000 split 2,500 split	620	100	Interstage or driver
DI-T283	10,000 CT 12,000 CT	1 1	10,000 CT 12,000 CT	970	100	Isol. or interstage (Ratio 1:1)
DI-T288	20,000 CT 30,000 CT	.5 .5	800 CT 1,200 CT	870	50	Interstage or driver
DI-T204	Split Inductor (2 wds)	§ 1 Hy @ 4 maDC, .08 Hys @ 10 maDC, DCR 25Ω §§ .025 Hys @ 8 maDC, .02 Hys @ 20 maDC, DCR 6Ω				
DI-T208	Split Inductor (2 wds)	§ .9 Hys @ 2 maDC, .5 Hys @ 6 maDC, DCR 105Ω §§ .2 Hys @ 4 maDC, .1 Hys @ 12 maDC, DCR 26Ω				
DI-T212	Split Inductor (2 wds)	§ 2.5 Hys @ 2 maDC, .9 Hys @ 4 maDC, DCR 630Ω §§ .6 Hys @ 4 maDC, .2 Hys @ 8 maDC, DCR 157Ω				
DI-T216	Split Inductor (2 wds)	§ 4.5 Hys @ 2 maDC, 1.2 Hys @ 4 maDC, DCR 2300Ω §§ 1.1 Hys @ 4 maDC, .3 Hys @ 8 maDC, DCR 575Ω				

<sup>†</sup>DCma shown is for single ended usage (under 5% distortion—100mw—1KC). . . for push pull, DCma can be any balanced value taken by 5W transistors (under 5% distortion—500mw—1KC). DI-T200 units have been designed for transistor application only . . . not for vacuum tube service. U.S. Pat. No. 2,949,591 other pending.  
Where windings are listed as split, 1/4 of the listed impedance is available by paralleling the winding.  
§Series connected; §§Parallel connected.

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## ELECTRIC WAVE FILTERS

## BAND PASS

**BPM**—Ultra miniaturized metal cased with pin terminals for printed circuit application. Band width  $\pm 3\%$ , 10K  $\Omega$  source to either 10K  $\Omega$  load or grid output. Center frequency range 400 cps to 10 KC.  $\frac{3}{4} \times \frac{3}{4} \times 1\frac{1}{8}$ "; wt. 1 oz.

**BPH**—Ultra miniaturized metal cased with pin terminals for printed circuit application. Band width  $\pm 5\%$ , 500  $\Omega$  source to 500  $\Omega$  load. Center frequency range 50 KC to 100 KC.  $\frac{3}{4} \times \frac{3}{4} \times 1\frac{1}{8}$ "; wt. 1 oz.

**BMI**—Miniaturized metal cased, band width  $\pm 3\%$ , 10K  $\Omega$  source to grid output. Center frequency range 30 cps to 10 KC.  $1\frac{1}{16} \times 1\frac{1}{16} \times 1\frac{1}{8}$ "; wt. 6 oz.

**BML**—Similar to above except 500/600  $\Omega$  source. Center frequency range 400 cps to 1 KC.

**BTI**—Similar to BMI except both source and load 10K  $\Omega$ . Center frequency range 60 cps to 120 cps.

**MNF**—Ultraminiature telemetering metal cased, epoxy board and pin terminals for printed circuit application  $\pm 7.5\%$  Band Width. Source and load 10K  $\Omega$ . Center frequency range 400 cps to 70 KC. Size .4 KC thru 5.4 KC  $1\frac{1}{16} \times 1\frac{1}{16} \times \frac{1}{2}$ "; wt. 1 oz. 7.35 KC and higher.  $2\frac{3}{32} \times 2\frac{3}{32} \times \frac{1}{2}$ "; wt.  $\frac{1}{3}$  oz.

**MWF**—Similar to MNF except Band Width  $\pm 15\%$ . Center frequency range 22 KC to 70 KC.  $2\frac{3}{32} \times 2\frac{3}{32} \times \frac{1}{2}$ "; wt.  $\frac{1}{3}$  oz.

**TMN**—Miniature Telemetering metal cased  $\pm 7.5\%$  Band Width. Source and load 100K  $\Omega$ . Center frequency range 400 cps to 70 KC. Size thru 1.7 KC.  $1\frac{1}{16} \times 1\frac{1}{32} \times 2$ "; wt. 3.5 oz. 2.3 KC and higher.  $2\frac{3}{32} \times 2\frac{3}{32} \times 1\frac{1}{8}$ "; wt. 1.2 oz.

**TWN**—Similar to TMN except Band Width  $\pm 15\%$ , center frequency range 22 KC to 70 KC;  $2\frac{3}{32} \times 2\frac{3}{32} \times 1\frac{1}{8}$ "; wt. 1.2 oz.

**TGT**—Telegraph Tone Channel Transmitting Filters. Metal cased with standard 7 pin subminiature base. Band Width  $\pm 42.5$  cps. Source and load 600  $\Omega$ . Center frequency range 425 cps to 3315 cps;  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ "; wt. 8 oz.

**TGR**—Telegraph Tone Channel Receiving Filters. Metal cased with standard 7 pin subminiature base. Band Width  $\pm 42.5$  cps. Source and load 600  $\Omega$ . Center frequency range 425 cps to 3315 cps;  $1\frac{1}{2} \times 1\frac{1}{2} \times 4\frac{1}{4}$ "; wt. 15 oz.

**PLP**—115 Volt 400  $\sim$  Input to 1000  $\Omega$  load. Zero Phase at 400  $\sim$ . Harmonic rejection plus 60 and 120  $\sim$  rejection. Metal cased  $3\frac{1}{16} \times 4\frac{5}{16} \times 4\frac{1}{2}$ "; wt. 6  $\frac{1}{2}$  lbs.

## LOW PASS

**LPM**—Ultra miniaturized metal cased with pin terminals for printed circuit applications. 10K  $\Omega$  source and load. Cutoff frequency range from 200 cps to 15 KC.  $1 \times 1 \times 1\frac{3}{8}$ "; wt.  $2\frac{1}{4}$  oz.

**LMI**—Miniaturized metal cased. 10K  $\Omega$  source and load. Cutoff frequency range 100 cps to 10 KC.  $1\frac{1}{16} \times 1\frac{1}{16} \times 1\frac{5}{8}$ "; wt. 6 oz.

**LML**—Miniaturized metal cased. 500/600  $\Omega$  source and load. Cutoff frequency range 1000 cps to 12 KC.  $1\frac{3}{16} \times 1\frac{1}{16} \times 2\frac{1}{2}$ "; wt. 9 oz.

**LLP**—Low frequency metal cased. 100K  $\Omega$  source and load. Cutoff frequency 10 cps.  $2\frac{1}{16} \times 2\frac{3}{16} \times 3\frac{1}{8}$ "; wt.  $1\frac{1}{2}$  lbs.

**PLF**—115 volt 400  $\sim$  Input to 500  $\Omega$  load. Harmonic rejection. Metal cased.  $4\frac{5}{16} \times 5\frac{1}{16} \times 5\frac{1}{2}$ "; wt. 10 lbs.

## HIGH PASS

**HPM**—Ultra miniaturized metal cased with pin terminals for printed circuit applications. 10K  $\Omega$  source and load. Cutoff frequency range 500 cps to 4 KC;  $1 \times 1 \times 1\frac{3}{8}$ "; wt.  $2\frac{1}{4}$  oz.

**HMI**—Miniature metal cased. 10K  $\Omega$  source and load. Cutoff frequency range 50 cps to 3 KC.  $1\frac{3}{16} \times 1\frac{1}{16} \times 2\frac{1}{2}$ "; wt. 9 oz.

**HML**—Miniature metal cased. 500/600  $\Omega$  source and load. Cutoff frequency range 200 cps to 1 KC.  $1\frac{3}{16} \times 1\frac{1}{16} \times 2\frac{1}{2}$ "; wt. 9 oz.

## INDUCTORS (FIXED)

**MM**—Ultraminiature epoxy molded toroidal inductors for printed circuit application. Maximum Q at 500 cps to 120 mhy.  $7\frac{1}{2}$  dia.  $\times 1\frac{1}{4}$ "

**MH**—Ultraminiature epoxy molded toroidal inductors for printed circuit application. Maximum Q at 500 cps to 40 mhy.

**ML**—Ultraminiature hyperminiature inductors with epoxy and pin terminals for printed circuit application. Maximum Q at 800 cps to 2 KC, depending on inductance. Inductance range .05 hy to 60 hy.  $\frac{7}{16} \times 3\frac{1}{64} \times \frac{9}{16}$ "; wt. .2 oz.

**MW**—Miniature epoxy molded toroidal inductors with pin terminals for printed circuit application. Maximum Q at 5 to 10 KC. Inductance range .05 hy to 5 hy.  $2\frac{3}{32}$  dia.  $\times 1\frac{1}{32}$ "; wt. .25 oz.

**MO**—Miniature epoxy molded inductors with pin terminals for printed circuit application. Maximum Q at 600 cps to 1500 cps depending on inductance. Inductance range .1 hy to 100 hy.  $\frac{3}{4} \times 1\frac{1}{16} \times 1\frac{1}{16}$ "; wt. 1 oz.

**HQE**—Metal cased toroidal inductors. Max. Q at 10 KC. Inductance range 5 mhy to 200 mhy.  $1\frac{1}{16} \times \frac{1}{2} \times 1\frac{1}{32}$ "; wt. 1.5 oz.

**MQE**—Similar to above except higher Q and inductance range 4 mhy to 4 hy.

**MQA**—Metal cased toroidal inductors. Max. Q 4 KC to 7 KC, depending on inductance. Inductance range 7 mhy to 35 hy.  $1\frac{1}{32} \times 1\frac{1}{16} \times 1\frac{1}{32}$ "; wt. 4 oz.

**TQA**—Similar to above except center tapped and extremely stabilized.

**MQD**—Similar in size and weight to MQA but designed for max. Q at 50 KC with inductance range 1 mhy to 30 mhy.

**HQA**—Metal cased toroidal inductors. Max. Q 1500 cps to 7 KC, depending on inductance. Inductance range 5 mhy to 15 hy.  $1\frac{1}{16}$  dia.  $\times 1\frac{1}{16}$ "; wt. 5 oz.

**HQC**—Similar in size and weight to HQA but with max. Q at 25 KC, and inductance range 1 mhy to 20 mhy.

**MQM**—Metal cased shielded laminated inductors. Max. Q at 180 cps. Inductance range .5 hy to 600 hy.  $1\frac{1}{8} \times 1\frac{1}{8} \times 1\frac{1}{8}$ "; wt. 5 oz.

**MQB**—Metal cased toroidal inductors. Max. Q at 2 KC to 5 KC, depending on inductance. Inductance range 10 mhy to 60 hy.  $2\frac{9}{16} \times 1\frac{1}{16} \times 2\frac{1}{16}$ "; wt. 14 oz.

**HQB**—Metal cased toroidal inductors. Max. Q at 2 KC to 5 KC, depending on inductance. Inductance range 10 mhy to 25 hy.  $2\frac{3}{8} \times 1\frac{1}{8} \times 2\frac{5}{8}$ "; wt. 14 oz.

**SQL**—Metal cased shielded laminated inductors. Max. Q at 100 cps. Inductance range .25 hy to 2500 hy.  $1\frac{1}{16} \times 1\frac{1}{16} \times 2\frac{1}{2}$ "; wt. 1 lb.

## INDUCTORS (VARIABLE)

**HVC**—Metal cased hermetically sealed, military application, variable inductors continuously variable from +200% to -70% of mean inductance. Range of mean inductance 6 mhy to 150 hy.  $1\frac{1}{8} \times 2\frac{3}{32} \times 1\frac{1}{32}$ "; wt. 2 oz.

**TVC**—Similar to above except supplied with taps at 30% and 50% of total turns.

**HVV**—Hermetic vernier variable. Inductance range  $\pm 10\%$ , featuring stability and High Q. Metal cased. Size same as HVC.

**VIC**—A variable screw adjustable inductor in non-hermetic die case housing continuously variable from +85% to -45% of mean inductance. Range of mean inductance 8.5 mhy to 130 hy.  $1\frac{1}{32} \times 1\frac{1}{4} \times 1\frac{1}{16}$ "; wt.  $5\frac{1}{2}$  oz.

**DI**—Precision decade inductors. Inductance range 10  $\times .01$  hy to 10  $\times 10$  hy.  $4\frac{1}{2} \times 4\frac{3}{8} \times 2\frac{3}{8}$ "; wt. 2 lbs.

Values of inductance outside of ranges shown are available on special order.

The Product Lines or Type Designations are Trade Marks of United Transformer Corporation.  
Look for the Trade Marks to assure UTC high quality and reliability.

# CAPSULE DESCRIPTION OF PRODUCT LINES

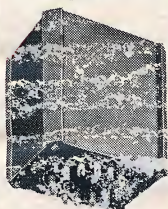
Line X = HERMETIC LINES • BLACK X = NON-HERMETIC LINES

AUDIO	CHOPPER	INDUCTOR	POWER	PLATE	MAGAMP	Line (Audio) Ultra comp	Line (Power) Ultra compact power	Line (Inductors) Ultra compact	Line (Plate) Ultra compact	Line (Magamp) Ultra compact
						Line (Audio) Ultra comp transformers & inductors—audio power range from low to 500 W. Size 1 1/2 x 1 1/2 x 2 1/2 h. Wt 1 1/2 lb.	Line (Power) Ultra compact power transformers, small and light—suitable for remote applications and similar uses. Size 1 1/2 x 1 1/2 x 2 1/2 h. Wt 1 1/2 lb.	Line (Inductors) Ultra compact inductors—designed with high quality audio transformers designed with vacuum impregnated and compound filled. Frequency range 30 to 15 KC. Power level from under 1 watt to 5 watts. Size 1 1/2 x 1 1/2 x 2 1/2 h. Wt 1 1/2 lb.	Line (Plate) Ultra compact plate transformers—designed with high quality audio transformers designed with vacuum impregnated and compound filled. Frequency range 30 to 15 KC. Power level from under 1 watt to 5 watts. Size 1 1/2 x 1 1/2 x 2 1/2 h. Wt 1 1/2 lb.	Line (Magamp) Ultra compact magnetic amplifiers and associated transformers—designed with high quality audio transformers designed with vacuum impregnated and compound filled. Frequency range 30 to 15 KC. Power level from under 1 watt to 5 watts. Size 1 1/2 x 1 1/2 x 2 1/2 h. Wt 1 1/2 lb.
X						CG (Audio) High quality audio transformers for mixing, matching and tube circuit applications. Conservatively designed to AIEE commercial standards. Enclosed in rugged drawn steel cases or end castings. Vacuum impregnated and compound filled. Frequency range 40 CPS—10KC. Power level from less than +28 dbm to 600 W. Size 1 1/2 x 2 1/2 x 2 1/2 h. Wt 1 1/2 lb to 60 lbs.	CG (Power) High quality power transformers for transistors, filament and plate types. Conservatively designed to AIEE commercial standards. Enclosed in rugged drawn steel cases or end castings. Vacuum impregnated and compound filled. Size 1 1/2 x 1 1/2 x 2 1/2 h. Wt 1 lb to 185 lbs.	DI-T Flexible leads ultra miniature transistor transformers & inductors, hermetically sealed to MIL-T-27B (grade 4 metal clad). Freq range 400 CPS—10KC & up. Power up to 1/2 W. Size 3/16 dia x 1/4 h. Wt approx 1/10 oz.	DI-T200 Series Straight pin gold plated, Dumet leads. Ultra-miniature transistor transformers and inductors. Hermetically sealed to MIL-T-27B (Grade 4, metal cased). Freq range 400 CPS—100KC. Power up to 500 mw. Size 3/16 dia x 3/8 h. Wt approx 1/10 oz.	DO-T Flexible leads ultra-miniature transistor transformers & inductors, hermetically sealed to MIL-T-27B (grade 4, metal clad). Freq range 300 CPS—10KC & up. Power up to 1/2 W. Size 3/16 dia x 3/8 h. Wt approx 1/10 oz.
						DO-T400 (Power) Flexible leads ultra-miniature power transformer. Hermetically sealed to MIL-T-27B (grade 4 metal clad). Power output 400 mw @ 400 cycles. Size 3/16 dia x 1 1/2 h. Wt 1/10 oz.	FHA Flat hermetic audio units to grade 4, metal cased, MIL-T-27B specs. Straight 1" long pin terminals on a glass to metal seal header. Freq range 300 CPS—20KC. Power level +20 dbm (100mw). Size 2 1/2 x 2 1/2 x 3/16 h. Wt 8 oz.	FHI Flat hermetic inductors—split windings for series or parallel arrangements for multiplicity of inductance values. Straight 1" long pin terminals on a glass to metal seal header. Metal cased to grade 4 MIL Specs. Inductance range 15 mhy to 2.4 hys, DC 2 ma to 64 ma. Size 2 1/2 x 2 1/2 x 3/16 h. Wt .8 oz.	FT Channel frame, filament/transistor transformers. Designed for voltages between 2.5 Vct to 36 Vct. Current ratings .04A to 10 A. Size 2 1/2 x 1 1/2 x 1 1/4 to 4 1/2 x 2 1/2 x 2 1/2 h. Wt 1/4 lb to 2 1/2 lbs.	H (audio) Hermetically sealed, metal clad transformers to MIL-T-27B grade 4 specs. Full line of input, interstage, output, mixing and matching and chopper transformers for both tube and transistor applications. Freq range 30 CPS—20KC. Power levels below 5 dbm (3mw) to 10 W. Size 1 1/2 x 1 1/2 x 2 1/2 h to 1 1/2 x 2 1/2 x 2 1/2 h. Wt .8 oz to 1 lb.
						H (Inductors) Hermetic line of inductors to MIL-T-27B specs. Grade 4 and grade 5, inductance from .4mh to 450 hys, DC rating from 017 ma to 30 A. Size 3/4 x 1 x 2 1/2 to 7 x 7 x 8". Wt .05 lb to 60 lbs.	H (Power) Hermetic line of power transformer to MIL-T-27B specs. 50 to 1000 cycles, grade 4 and grade 5. Transistor, filament, inverter and plate types. Metal clad and molded. Size 3/4 x 1 x 2 1/2 to 11 x 11 x 1 1/4 h. Wt .05 lb to 160 lbs.	H (Pulse) Molded precision miniature wide application pulse transformers to MIL Specs. Transistor and tube blocking oscillator and coupling service. Pulse widths from .05 μsec to 25 μsec. Sizes 3/4 dia x 3/8 to 3/4 dia x 3/8. Wt 1 gram to 6 grams.	HA Excellent quality, highly dependable commercial audio transformers. Full line of mixing, matching and tube applications. Fully vacuum impregnated and potted in high conductivity alloy cases. Many units incorporate hypermalloy nickel iron core and hum balanced structures. Freq range 20 CPS—50KC. Power levels from below +18dbm (63mw) to 20 W. Size 1 1/2 x 2 1/2 x 3 1/4 h to 2 1/2 x 3 1/4 x 3 1/2 h. Wt 2 lbs to 5 lbs.	HIT Ultrashielded power line isolation transformers. Hermetically sealed to MIL-T-27B Specs. 0.1 μH or less effective coupling. Power rating 50 to 480 W; 60 —, 400 —. Size 4 1/2 x 4 1/2 x 3 1/2 to 8 x 6 1/2 x 5 1/2 h. Wt 5 lbs to 30 lbs.
						HP Pre amplifier or tuner power supply transformers. Housed in rugged die cast case of high conductivity alloy. Specifically designed for portable and compact service. Size 2 1/2 x 1 1/2 x 3 1/2 to 3 1/2 x 2 1/2 x 3 1/2 h. Wt 2 lbs to 5 lbs.	LAB (Audio) Highest quality commercial transformers designed specifically for laboratory circuit development investigation. The transformers (input, interstage and output) are terminated with solderless connection lugs in a multiplicity of impedance connections to assist the designer in the selection of the optimum impedances for best power and distortion results from this circuit. Frequency range 20 — to 20KC. Power from under 50 mw to 50 W. Size 3 1/2 x 2 1/2 x 3 1/4 to 5 1/2 x 5 x 4 1/2 h.	LS Linear standard audio transformers. High fidelity, highest quality commercial transformers. For tube, transistor, hybrid, modulation, and matching applications. Ultimate in low distortion, high efficiency, thorough shielding. Freq range 7 CPS to 50KC. Power from under +17 dbm to 2500 W. Size 2 1/2 x 3 1/2 x 3 1/4 h to 13 x 15 1/4 x 28" h. Wt from 3 lbs to 520 lbs.	MAT Hermetic line of magnetic amplifiers and associated transformers, for 60 and 400 cycle servo and other applications, to MIL-T-27B specs. Tube and transistor inputs. 1 to 50 W. Size 1 1/2 x 1 1/2 x 1 1/2 to 4 1/2 x 4 x 4 1/2 h. Wt 1.5 oz to 14 lbs.	MET Hermetically sealed metal clad 400 cycle power transformers to MIL-T-27B Grade 4 specs. These units are designed specifically for 400 cycles application to give minimum error. Sizes 3/4 x 1 1/2 x 1 1/2 to 3 1/2 x 2 1/2 x 4 1/2 h. Wt 1 1/2 oz to 4 1/2 lbs.
						MH Ultraminiature epoxy molded toroidal inductors similar to MH except maximum Q at 100 KC. Inductance range .6 mhy to 40 mhy.	ML Ultraminiature hypermalloy cased inductors with epoxy board and pin terminals for printed circuit application. Maximum Q at 800 cps to 2 KC, depending on inductance. Inductance range .25 hy to 60 hy. Size 3/16 x 3/16 h. Wt .2 oz.	MM Ultraminiature epoxy molded toroidal inductors with pin terminals for printed circuit application. Maximum Q at 30 KC. Inductance range of 3 mhy to 120 mhy. Size 1/16 dia x 1/4 h. Wt .07 oz.	MO Miniature epoxy molded inductors with pin terminals for printed circuit application. Maximum Q at 600 cps to 1500 cps depending on inductance. Inductance range .15 hy to 100 hy. Size 3/4 x 1 1/2 x 1 1/2 h. Wt 1 oz.	MW Miniature epoxy molded toroidal inductors with pin terminals for printed circuit application. Maximum Q at 5 to 10 KC. Inductance range .5 hy to 5 hy. Size 2 1/2 dia x 1 1/2 h. Wt .25 oz.
						N Military standard filament, power and plate transformers per MIL-T-27B Grade 4 (ruggedized) construction. Size 1 1/2 x 1 1/2 x 2 1/2 to 5 1/2 x 4 1/2 x 5 1/2 h. Wt 1 1/2 lbs to 16 1/2 lbs.	O Ouncer line—nonhermetic—best quality compact audio transformers—covers full range of tube and transistor transformer and inductor applications. Freq range 30 CPS—20KC and up. Power levels from under 8dbm to 1W. Size 3/4 dia x 3/8 h. Wt 1 oz.	P Plug in transformers to fit octal socket (P-16 fits nine pin socket). Best quality non hermetic compact audio transformers for tube mixing and matching applications. Freq range 30 CPS—20KC. Power +8 dbm (6.3mw). Size 1 1/2 dia x 1 1/2 h. Wt 2 ozs.	PF Transformers for photoflash and similar applications. Line and transistor inputs. Power, inverter and trigger transformers. Size 3/4 dia x 1 1/2 to 2 1/2 x 3 1/4 x 2 1/2 h. Wt 1/2 oz to 2 lbs.	PIP Hermetically sealed metal clad ultra miniature wide application pulse transformers, to MIL-T-21038B specifications. Size 3/16 dia x 3/8 h. Wt 1/20 oz.
						R Line Inductors Replacement type of inductors, channel frame construction. All are vacuum sealed against humidity to prevent corrosion. Inductance from 2 mhy to 20 hys, DC current from 30 ma to 5 A. Sizes 2 1/2 x 1 1/2 x 1 1/2 to 4 1/2 x 2 1/2 x 2 1/2 h. Wt 1/2 to 2 1/2 lbs.	R Line Power Replacement type line adjusting and isolation transformers. Provides high reliability. All are vacuum sealed against humidity to prevent corrosion. Units are housed in attractively finished shells. Size 2 1/2 x 2 1/2 x 3 1/4 to 12 x 7 x 9". Wt 2 1/2 lbs to 70 lbs.	SO Small subouncer, open frame, flexible lead transformers and inductors, full line for applications to both tubes & transistor circuits. Freq range 200 CPS—20KC & up. Power to .25W. Size 1 1/2 x 3/4 x 3/4 h. Wt .031 lb.	SO-#P Molded transistor & tube transformers to MIL-T-27B GR 5. Freq range 200 CPS—20KC & up. Power to .25W. Size 3/4 x 1 x 2 1/2 h. Wt .05 lb.	SSO Sub Sub ounce, small, open frame, flexible lead transformers and inductors for application to tube & transistor circuits. Freq range 300 CPS—10KC & up. Power to .1K. Size 3/4 x 3/4 x 3/4 h. Wt .02 lb.
						SSO-#P Molded transistor & tube transformers to MIL-T-27B GR 5. Freq range 300 CPS—10 KC & up. Power to .1 W. Size 3/4 x 3/4 x 3/4 h. Wt .04 lb.	S (audio) Popular priced special series of audio transformers for matching and tube applications. All units vacuum impregnated and compound filled in drawn metal cases. Freq range 100 CPS—10KC. Power levels less than 0 dbm to 250 W. Size 1 1/2 x 2 1/2 x 1 1/2 h to 5 1/2 x 6 1/2 x 5 1/2 h. Wt 1 lb to 21 lbs.	S (Inductors) Popular-priced special series of inductors. Ratings are based on ICAS intermittent use. Units are vacuum impregnated and compound filled. Inductance from 2 mhy to 500 hys, DC current ratings from 3ma to 5 A. Size 3/4 x 2 1/2 x 1 1/2 to 4 1/2 x 5 1/2 x 5 1/2 h. Wt 1 lb to 12 lbs.	S (Power) Popular-priced special series of power transformers for filament, transistor and plate application. Ratings are based on ICAS intermittent use. Units are vacuum impregnated and compound filled. Size 1 1/2 x 2 1/2 x 1 1/2 to 10 1/2 x 7 1/2 x 9 1/4 h. Wt 1 lb to 52 lbs.	SC Signalling and control transformers, suitable for operating relays, sirens, horns, gongs, etc. Units have terminals for outputs of 4/8/12/16/20/24 volts. Screw type binding posts secondary terminals for easy connections. Ratings 50 to 250 W. Size 3 x 3 1/2 x 1 1/2 to 4 x 5 x 4 1/2 h. Wt 3 lbs to 10 lbs.
						W (MIL STD) Complete line of Military Standard audio transformers per MIL-T-27B. Grade 4 (ruggedized) construction. Freq range 300 CPS—10KC. Power +15 dbm to 2W. Size MIL-AJ case (1 1/2 sq x 2 1/2 h) Wt 6 lbs.	Z Military standard inductors, per MIL-T-27B. Hermetically sealed construction. Series and parallel connections. Size 2 1/2 x 2 1/2 x 3 1/2 to 4 1/2 x 5 1/2 x 7 1/2 h. Wt from 2 lbs to 35 lbs.			

The Product Lines or Type Designations are Trade Marks of United Transformer Corporation.  
Look for the Trade Marks to assure UTC high quality and reliability.



#### HI-FI



Transistor output; matches any PP transistor to 4, 8, 16  $\Omega$  speaker. Primary 48, 36, 12  $\Omega$  C.T.; 20  $\sim$  to 20 KC; 40 watts.

#### MINIATURE MIL TYPE



Metal case hermetically sealed to MIL-T-27B. Gold Dumet leads spaced on 0.1 radius, for printed circuit application.

DI-T43\*

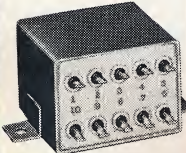
Magnetic shielded plus electrostatic shield for voltage isolation of 2x10<sup>6</sup>. Primary 200K C.T. to within 0.1%. Secondary 50K.

#### HIGH POWERED AUDIO



Low distortion 2.5 KW output transformer, PP 450 TH's 18,500 ohms C.T. to 24/6 ohms, 20 KV hipot. 520 lbs.

#### CATHODE FOLLOWER OUTPUT



Provides equal voltages to 5 loads. Primary inductance maintained to 5% with 20% change in DC unbalance and 30% change in AC voltages.

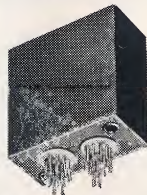
## SPECIAL (CUSTOM BUILT) AUDIO TRANSFORMERS TO YOUR SPECIFICATIONS

#### HI-FREQUENCY CARRIER TO MIL-T-27B



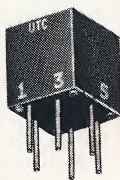
Electrostatically shielded, humbucking, +30 dbm level. With in .5 db 250 cycles to 110 KC. 600/135; 600 centertapped to .1% tolerance.

#### HYBRID TRANSFORMER



Two transformers each 600  $\Omega$  primary, 40K  $\Omega$  C.T. secondary 250 cycles to 5 KC within 1/4 db. 40 db isolation over band.

#### MICROMODULE



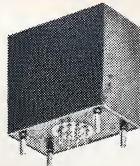
Life tested per micromodule specs.: no failures. 10K  $\Omega$  C.T. to 10K  $\Omega$ , 100 mw from 400  $\sim$  to 20KC.

#### SUBMINIATURE MOLDED TRANSFORMER



Grade 3 with printed circuit leads for transistor application. 150  $\Omega$  to 150  $\Omega$  at 10 dbm level. Size 1/2 x 1/2 x 1/2"; weight 5 grams.

#### BOLOMETER TRANSFORMER



Primary 10 ohms, secondary 530K ohms, 230:1 ratio, response from 1/2 cycle to 25 cycles. 120 db magnetic shielding, plus full electrostatic shielding.

#### ULTRA-MINIATURE



Electrostatically & magnetically shielded output transformer 1/8 D. x 1/4" H. Pri. 15K CT, Sec. 8K CT; max. level 50 mw; audio range response. To MIL-T-27B, grade 4.

Exceptional quality and reliability is provided in all UTC designs. Over 30 years of engineering knowledge and experience substantiated by extensive field performance assure the highest quality and most reliable components in the industry. Complete environmental testing facilities are incorporated to prove out new designs. Full analysis and evaluation of materials are conducted in UTC's Material and Chemical Laboratories. Rigid quality control measures coordinated with exhaustive statistical findings and latest production procedures results in the industry's highest degree of reliability. Range covered in Audio Transformers is from 0.1 cycles to 400 MC . . . microwatts to 50 KW.

#### MILITARY AND COMMERCIAL TYPES FOR EVERY PHASE OF THE ELECTRONICS ART

POWER TRANSFORMERS • AUDIO TRANSFORMERS • INDUCTORS • PULSE TRANSFORMERS • ELECTRIC WAVE FILTERS • LUMPED CONSTANT DELAY LINES • HIGH Q COILS • MAGNETIC AMPLIFIERS • SATURABLE REACTORS • REFERENCE UNITS

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INDUSTRY

# POWER TRANSFORMERS & INDUCTORS

## TO YOUR SPECIFICATIONS

Exceptional quality and reliability is provided in all UTC designs. Over 30 years of engineering knowledge and experience backed by complete environmental testing and life testing facilities assure the highest standard in the industry. Full analysis and evaluation of materials are conducted in UTC's Material and Chemical Laboratories. Rigid quality control measures coordinated with exhaustive statistical findings and latest production procedures results in the industry's highest degree of reliability. Range covered in Power Transformers is from milliwatts to 100 KVA. Some typical applications include: Current Limiting, Filament, Isolation, Plate, Transistor Inverter, Transistor Supply.

### MILITARY AND COMMERCIAL TYPES FOR EVERY PHASE OF THE ELECTRONICS ART

POWER TRANSFORMERS • AUDIO TRANSFORMERS • INDUCTORS • PULSE TRANSFORMERS • ELECTRIC WAVE FILTERS • LUMPED CONSTANT DELAY LINES • HIGH Q COILS • MAGNETIC AMPLIFIERS • SATURABLE REACTORS • REFERENCE UNITS

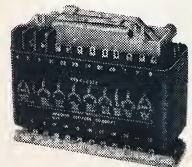
Write for catalog of over  
1,200 UTC HIGH RELIABILITY  
STOCK ITEMS  
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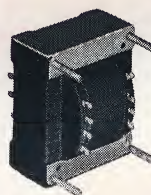
Low capacity current limiting filament transformer. Primary 118 V. 60 cycles to 6.3 V. at 3 A., 8 A. at short circuit. 25 MMFD capacity. 30 KV hipot and 200:1 capacity divider; 5 x 3 3/4 x 4 1/2", 9 lbs.



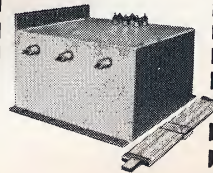
MIL-T-27B ultraminiature Scott connected power transformer, 5/16 Dia. x 13/32" H., 1/10 Oz. Primary 28 V. 400 — with taps @ 50% & 86.6%. Two units provide 28 V two phase from three phase source.



Molded Power Transformer 3 Phase. Input 200V, 380-420 cps. Electrostatic Shield, 8 output windings, 26 terminals. MIL-T-27B, Grade 2 Class S. Max. Alt. 50K Ft. Size 6 x 2 1/2 x 5", 8 lbs.



Commercial type molded power transformer. Primary 115/230 V., 50/420 cycles to 680 VCT.-.015 A., 6.3 VCT.-1.2 A., 6.3 V.-.6A. Size: 2 1/2 x 3 x 2 7/8", weight: 1.6 lbs.



Three phase high voltage power transformer. Primary jumper hardware for easy conversion from delta to wye inputs. Made to MIL-T-27B specifications. Primary: 440 V 60 cycles delta or wye 3 phase input. Secondary: 2100 V line to line or 1215 V line to line @ 242 ma.



High current filament transformer. Primary 140/156 V., 47/63 cycles to 1.8 V.-1070 A. Current limiting through separate primary reactor, MIL-T-27B; 10 x 10 x 11 1/2", 150 lbs.

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## AUDIO TRANSFORMERS

DO-T No.	Pri. in	D.C. Ma. in Pri.	Sec. Imp.	Pri. Res. DO-T	Pri. Res. DI-T	Mw Level	DI-T No.
DO-T44	80	12	32	9.8	11.5	500	DI-T44*
DO-T29	120	10	4	10		500	
DO-T12	150 CT	10	12	11		500	
	200 CT	10	16				
	400 CT	7	16	20		500	
DO-T19	300 CT	7	600	19	20	500	DI-T19
DO-T30	320 CT	7	3.2	20		500	
	400 CT	7	4				
DO-T43	400 CT	8	40 split	46	50	500	DI-T43*
	500 CT	6	50 split				
DO-T42	400 CT	8	120 split	46		500	
	500 CT	6	150 split				
DO-T41	400 CT	8	400 split	46	50	500	DI-T41*
	500 CT	6	500 split				
DO-T2	500	3	50	60	65	100	DI-T2
	600	3	60				
DO-T20	500 CT	5.5	600	31	32	500	DI-T20
DO-T4	600	3	3.2	60		100	
DO-T14	600 CT	5	12	43		500	
	800 CT	5	16				
DO-T31	640 CT	5	3.2	43		500	
	800 CT	5	4				
DO-T32	800 CT	4	3.2	51		500	
	1000 CT	4	4				
DO-T15	800 CT	4	12	51		500	
	1070 CT	4	16				
DO-T21	900 CT	4	600	53	53	500	DI-T21
DO-T3	1000	3	50	115	110	100	DI-T3
	1200	3	60				
DO-T45	1000 CT	3.5	16,000 split	120		100	
	1250 CT	3.5	20,000 split				
DO-T16	1000 CT	3.5	12	71		500	
	1330 CT	3.5	16				
DO-T33	1060 CT	3.5	3.2	71		500	
	1330 CT	3.5	4				
DO-T5	1200	2	3.2	105	110	100	DI-T5
DO-T17	1500 CT	3	12	108		500	
	2000 CT	3	16				
DO-T22	1500 CT	3	600	86	87	500	DI-T22
DO-T34	1600 CT	3	3.2	109		500	
	2000 CT	3	4				
*DO-T51	2000 CT	3	2000 split	195	180	100	DI-T51*
	2500 CT	3	2500 split				
DO-T37	2000 CT	3	8000 split	195	180	100	DI-T37*
	2500 CT	3	10,000 split				
*DO-T52	4000 CT	2	8000 CT	320	300	100	DI-T52*
	5000 CT	2	10,000 CT				
DO-T18	7500 CT	1	12	505		100	
	10,000 CT	1	16				
DO-T35	8000 CT	1	3.2	505		100	
	10,000 CT	1	4				
*DO-T48	8,000 CT	1	1200 CT	640		100	
	10,000 CT	1	1500 CT				
*DO-T47	9,000 CT	1	9000 CT	850		100	
	10,000 CT	1	10,000 CT				
DO-T6	10,000	1	3.2	790		100	
DO-T9	10,000	1	500 CT	780	870	100	DI-T9
	12,000	1	600 CT				
DO-T10	10,000	1	1200 CT	780	870	100	DI-T10
	12,500	1	1500 CT				
DO-T25	10,000 CT	1	1500 CT	780	870	100	DI-T25
	12,000 CT	1	1800 CT				
DO-T38	10,000 CT	1	2000 split	560	620	100	DI-T38*
	12,000 CT	1	2400 split				
DO-T11	10,000	1	2000 CT	780	870	100	DI-T11
	12,500	1	2500 CT				
DO-T36	10,000 CT	1	10,000 CT	975	970	100	DI-T36
	12,000 CT	1	12,000 CT				
DO-T1	20,000	.5	800	830	815	50	DI-T1
	30,000	.5	1200				
DO-T23	20,000 CT	.5	800 CT	830	815	50	DI-T23
	30,000 CT	.5	1200 CT				
DO-T39	20,000 CT	.5	1000 split	800		50	
	30,000 CT	.5	1500 split				
DO-T40	40,000 CT	.25	400 split	1700		50	
	50,000 CT	.25	500 split				
DO-T46	100,000 CT	0	500 CT	7900		25	
DO-T7	200,000	0	1000	8500		25	
DO-T24	200,000 CT	0	1000 CT	8500		25	

DO-TSH Drawn Hipermalloy shield and cover 20/30 db  
 DCMA shown is for single ended useage (under 5% distortion—100MW—1KC) for push pull. DCMA can be any balanced value taken by .5W transistors (under 5% distortion—500MW—1KC) DO-T & DI-T units designed for transistor use only. U.S. Pat. No. 2,949,591; others pending.  
 \*Series connected; §§Parallel connected → \*Units newly added to series

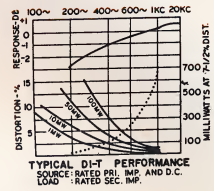
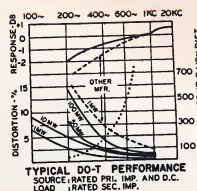
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## DO-T & DI-T<sup>TM</sup> Transistor TRANSFORMERS and INDUCTORS

**NOW!** Hermetically Sealed  
 to MIL-T-27B

\*16 New Items Added to Stock Line  
**IMMEDIATE DELIVERY FROM STOCK**



High Power Rating ..... up to 10 times greater  
 Excellent Response ..... twice as good at low end  
 Low Distortion ..... reduced 80%  
 High Efficiency ..... up to 30% better . . . compare DCR  
 Moisture Proof ..... hermetically sealed to MIL-T-27B  
 Rugged ..... Grade 4, completely metal cased  
 Anchored Leads ..... will withstand 10 pound pull test  
 Printed Circuit Use ..... (solder melting) nylon insulated leads  
 Suited to Clip Mounting ..... use Augat #6009-8A clip

## INDUCTORS

DO-T No.	Inductance Hys @ ma	DO-T DCRΩ	DI-T DCRΩ	DI-T No.
*DO-T50 (2 wdg.)	\$.075 Hy/10 ma, .06 Hy/30 ma \$.018 Hy/20 ma, .015 Hy/60 ma	10.5 2.6		
DO-T28	.3 Hy/4 ma, .15 Hy/20 ma .1 Hy/4 ma, .08 Hy/10 ma	25	25	DI-T28
DO-T27	1.25 Hys/2 ma, .5 Hy/11 ma .9 Hy/2 ma, .5 Hy/6 ma	100	105	DI-T27
DO-T8	3.5 Hys/2 ma, 1 Hy/5 ma 2.5 Hys/2 ma, .9 Hy/4 ma	560	630	DI-T8
DO-T26	6 Hys/2 ma, 1.5 Hys/5 ma 4.5 Hys/2 ma, 1.2 Hys/4 ma	2100	2300	DI-T26
*DO-T49 (2 wdg.)	\$.20 Hys/1 ma, 8 Hys/3 ma \$.5 Hys/2 ma, 2 Hys/6 ma	5100 1275		

## POWER TRANSFORMERS

*DO-T400	Pri 28V 380-1000 cycles, Sec 6.3V @ 60 ma
*DO-T410	Pri 28V 380-1000 cycles, 2-Sec 6.3 @ 30 ma each
*DO-T420	Pri 28V 380-1000 cycles, Sec 28V @ 20 ma (Isol. Electrostatic Shld.)

**UNITED TRANSFORMER CORP.**

150 VARICK STREET, NEW YORK 13, N.Y.

PACIFIC MFG. DIVISION: 3630 EASTHAM DRIVE, CULVER CITY, CALIF.  
 EXPORT DIVISION: 13 EAST 40th STREET, NEW YORK 16, N. Y. CABLE: "ARLAB"